Clarion®

Owner's manual & Installation manual
Mode d'emploi et manuel d'installation
Benutzerhandbuch & Installationshandbuch
Manuale dell'utente e manuale di installazione
Gebruikershandleiding en installatiehandleiding
Manual de instrucciones y de instalación
Ägar- & installationshandbok
Instrukcja obsługi i instalacji
Εγχειρίδιο Λειτουργίας & Εγκατάστασης

CZ200E
CZ200ER
CZ200EG

CD/USB/MP3/WMA RECEIVER
LECTEUR CD/USB/MP3/WMA
CD/USB/MP3/WMA-RECEIVER
SINTOLETTORE CD/USB/MP3/WMA
CD/USB/MP3/WMA-ONTVANGER
RECEPTOR CD/USB/MP3/WMA
CD/USB/MP3/WMA-RECEIVER
ODTWARZACZ CD/USB/MP3/WMA
z interfejsem
CD/USB/MP3/WMA ΔΕΚΤΗΣ

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English

Contents

Thank you for purchasing this Clarion product.
• Please fully read this owner's manual before operating this equipment.
• Check the contents of the enclosed warranty card and store it in a safe place with this manual.

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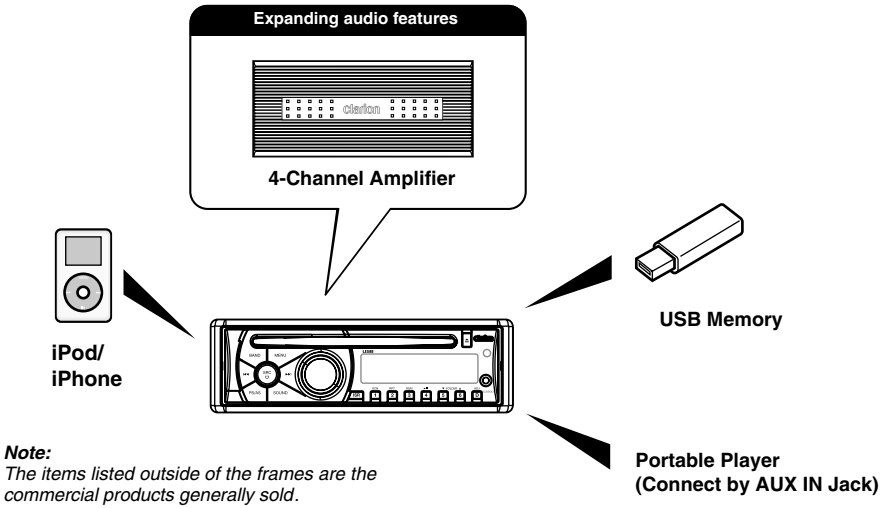
1. FEATURES

- ***MP3/WMA compatible with ID3-TAG display***
- ***Detachable Front Panel with 3.5mm Auxiliary Input***
- ***USB available***
- ***4ch/2V RCA Output with Subwoofer Control and BEAT-EQ with 3 Band Parametric Equalizer***
- ***Compatible with iPod® / iPhone™ via USB***

Expanding Systems



Note:
The items listed outside of the frames are the commercial products generally sold.

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2. PRECAUTIONS

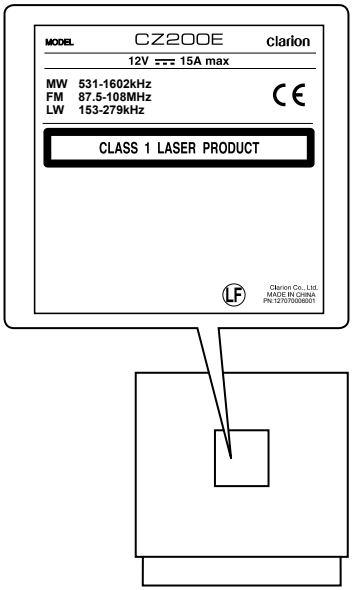
⚠ WARNING

For your safety, the driver should not operate the controls while driving.
Also, while driving, keep the volume to a level at which external sounds can be heard.

1. When the inside of the car is very cold and the player is used soon after switching on the heater, moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

2. Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.

3. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.



About the Registered Marks, etc.

"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
"Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.
Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
iPhone is a trademark of Apple Inc.

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Front Panel / Generalities

For a longer service life, be sure to read the following cautions.

- Do not allow any liquids on the set from drinks, umbrellas, etc. Doing so may damage the internal circuitry.
- Do not disassemble or modify the set in any way. Doing so may result in damage.
- Do not let cigarettes burn the display. Doing so may damage or deform the body.
- If a problem should occur, have the set inspected at your store of purchase.

Cleaning the body

Use a soft, dry cloth and gently wipe off the dirt.

For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.

Do not use benzene, thinner, car cleaner, etc., as these substances may damage the body or cause the paint to peel. Also, leaving rubber or plastic products in contact with the body for long periods of time may cause stains.

USB Port

- The USB memory stick may stick out when inserted, so it may cause danger during driving. In such cases, you can use a commercial USB extension cable, etc., but use it safely under your own judgment.
- The USB memory sticks must be recognized as “USB mass storage class“ to work properly. Some models may not operate correctly.
  When the memorized data is lost or damaged by any chance, Clarion shall not be liable for any damage.
  When using an USB memory stick, we recommend that you backup your data stored on it before by using a personal computer etc.
- Data files may be broken when using USB memory sticks in the following situation:
  When disconnecting the USB memory stick or turning the power off during writing or reading data.
  When affected by static electricity or electric noise.
  Connect/disconnect the USB memory stick when it is not accessed.
- Some USB memory sticks cannot be inserted to the main unit because of their shape. In such cases, use a commercial USB extension cable to connect them.
- Connecting with the computer is not covered.
- Music files (MP3, WMA, etc.) stored in the USB memory stick cannot be played back.

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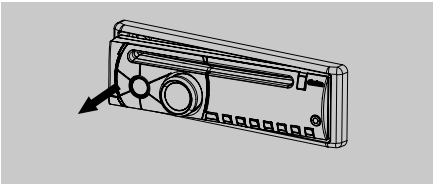
Remove the DCP

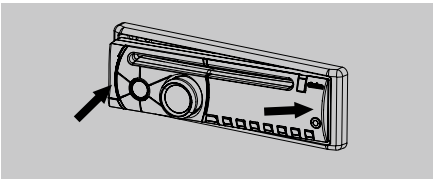
The control panel can be detached to prevent theft. When detaching the control panel, keep it in the safety place and prevent scratches.
We recommend taking the DCP with you when leaving the car.

1. Press the [⏻] button (2 sec.) to turn off the power.
2. Deeply push in [OPEN] button to unlock the DCP.
3. Hold the side popped out, take off the DCP.



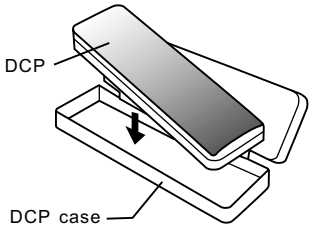
Re-attach the DCP

1. Hold the DCP and ensure that the panel faces towards you. Set the right side of the DCP into the DCP bracket.
2. Press the left side of the DCP until it locks.



Storing the DCP in the DCP Case

Hold the DCP, in the orientation as shown in the figure below, and put it into the supplied DCP case. (Ensure the DCP is in the correct orientation.)



Note:
If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.

⚠ CAUTION

- The DCP can easily be damaged by shocks. After removing it, be carefully not to drop it or subject it to strong shocks.
- Once the [OPEN] button is pressed and DCP is unlocked, car vibrations can cause the DCP to fall
- The connector connecting the source unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, screwdrivers, etc.

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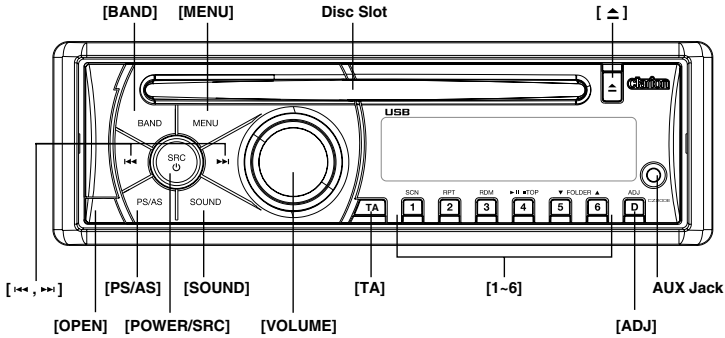
3. CONTROLS

Operational Panel



Names of Buttons

[⏻ / SRC] Key
- Power / Toggle the audio source

[BAND] Key
- Select tuner band

[MENU] Key
- System menu

[⏏] Key
- Eject the disc in the unit.

[⏮ , ⏭] Key
- Previous(Next) / Search

[Open] Key
- Unlock the front panel.

[PS / AS] Key
- Preset Scan / Auto memory store

[SOUND] Key
- Sound effect setting

[VOLUME] Key
- Adjust volume level / Confirm

[TA] Key
- Traffic announcement

[1~6] Key
- [1] Key: Scan play / Preset station 1.
- [2] Key: Repeat play / Preset station 2.
- [3] Key: Random play / Preset station 3.
- [4] Key: Play / Pause / Top play (long press) / Preset station 4.
- [5] Key: Previous folder / Preset station 5. 10 tracks down (long press)
- [6] Key: Next folder / Preset station 6. 10 tracks up (long press)

[ADJ] Key
- Display switch / System menu

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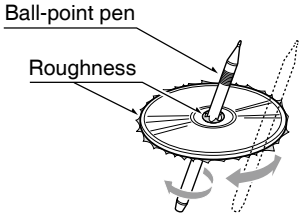
4. CAUTIONS ON HANDLING

Handling Discs

Handling

- New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.



- Never stick labels on the surface of the disc or mark the surface with a pencil or pen.
- Never play a disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a disc, you may not be able to get it back out of the player or it may damage the player.
- Do not use discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available disc protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage

- Do not expose discs to direct sunlight or any heat source.
- Do not expose discs to excess humidity or dust.
- Do not expose discs to direct heat from heaters.

Cleaning

- To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the disc to the circumference.
- Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean discs.
- After using special disc cleaner, let the disc dry off well before playing it.

On Discs

- Exercise a good precaution when loading a disc. The operation panel will close automatically when leaving it open for a while.
- Never turn off the power and remove the unit from the car with a disc loaded.

⚠ CAUTION

For your safety, the driver should not insert or eject a disc, opening the operation panel while driving.

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5. OPERATIONS

Basic Operations

Note:

- Be sure to read this chapter referring to the chapter “3. CONTROLS”

⚠ CAUTION

When the unit is turned on, starting and stopping the engine with its volume raised to the maximum level may harm your hearings.
Be careful about adjusting the volume.

Power on / off

Notes:

- Start the engine before using this unit.
- Be careful about using this unit for a long time without running the engine. If you drain the car’s battery too far, you may not be able to start the engine and this can reduce the service life of the battery.

1. Start the engine. The power button / knob illumination on the unit will light up.

Engine ON position

2. Press the [⏻] key on the front panel to turn on the power under standby mode. The unit goes back to the last status after power on.
3. Press and hold the [⏻] key on the front panel to turn off the power under work mode.

Volume adjustment

Turn the volume knob on the front panel.
The adjustable range of volume is 0 to 40.

⚠ CAUTION

While driving, keep the volume level at which external sounds can be heard.

Playing source selection

Press [**SRC**] key on the front panel repeatedly to choose desired playing source.

Notes:

1. Playing source selection means selecting work mode, such as DISC mode, Radio mode, Aux mode, etc.
2. When some devices are not ready, they cannot be selected.

Display system time

Press the [**ADJ**] key on the front panel to switch the display information between RDS information, system time and playing source.

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Radio Operations

Select tuner as playing source

Press [**SRC**] button once or more to enter radio mode.

Select one radio band

Press the [**BAND**] key on the panel to select one radio band among FM1, FM2, FM3, MW, LW.

Manual tuning

During manual tuning, the frequency will be changed in steps.
Press the [▶▶I]/[I◀◀] key on the panel to tune in a higher / lower station.

Auto tuning

Press and hold the [▶▶I]/[I◀◀] key on the panel to seek a higher / lower station.
To stop searching, repeat the operation above or press other keys having radio functions.

Note:

When a station is received, searching stops and the station is played.
If the unit receives a stereo broadcasting, the indicator light of stereo 'ST' on the LCD display will be lighted.

Auto store

Only stations with sufficient signal strength will be detected and stored in the memory.
Press and hold the [**PS/AS**] (2 sec.) to start automatic station search.
To stop auto store, press other keys having radio functions.

Notes:

1. After auto store, the previous stored stations will be overwritten.
2. The unit has 5 bands, such as FM1, FM2, FM3, MW and LW. FM3, MW and LW can store by AS function. Each bands can store 6 stations, CZ200E/CZ200ER/CZ200EG can store 30 stations in total.

Manual store

When one expected radio station has been detected, press and hold number key 1~6 to store it in the memory.

Recall the stored stations

Press one numeric key among 1 to 6 on the panel to select the corresponding stored station.

Local seeking

When LOCAL seeking is on, only those radio stations with strong radio signal could be received.
To open or close LOCAL function, press and hold the [**ADJ**] key on the front panel, then press [▶▶I] key repeatedly until LO or DX displays on the screen, and rotate the knob to select Local or Distant mode.

Note:

The number of radio stations that can be received will decrease after the local seeking mode is on.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [**PS/AS**] button.
2. When a desired station is tuned in, press the [**PS/AS**] button again to continue receiving that station.

Note:

- Be careful not to press and hold the [**PS/AS**] button for 2 seconds or longer, otherwise the auto store function is engaged and the unit starts storing stations.

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Radio Data System Operations

Radio Data System

This unit has a built-in "Radio Data System" decoder system that supports broadcast stations transmitting "Radio Data System" data.
When using the "Radio Data System" function, always set the radio to FM mode.

AF function

The AF function switches to a different frequency on the same network in order to maintain optimum reception.
* The factory default setting is "**ON**".

1. Set to ADJ mode by long pressing [**DISP**] button.
2. Press the [⏮] or [⏭] button to select "**AF**".
3. Rotate the knob to select "AF ON" or "AF OFF".
   • **AF ON:**
   "**AF**" in the display lights and AF function turns on.
   • **AF OFF:**
   "**AF**" in the display goes off and AF function turns off.

REG (Regional programme) function

When the REG function is ON, the optimum regional station can be received. When this function is OFF, if the regional station area switches as you drive, a regional station for that region is received.
* The factory default setting is "**ON**".

Notes:
- This function is disabled when a national station such as BBC R2 is being received.
- The REG function ON/OFF setting is valid when the AF function is ON.

1. Set to ADJ mode by long pressing [**DISP**] button.
2. Press the [⏮] or [⏭] button to select "**REG**".
3. Rotate the knob to select "REG ON" or "REG OFF".

Manually tuning a regional station in the same network

This function is valid when the AF function is ON and the REG function is OFF.

Note:
- *This function can be used when a regional broadcast of the same network is received.*

TA (Traffic Announcement)

In the TA standby mode, when a traffic announcement broadcast starts, the traffic announcement broadcast is received as top priority regardless of the function mode so you can listen to it. Traffic programme (TP) automatic tuning is also possible.
* This function can only be used when "TP" is lit in the display. When "**TP**" is lit, this means that the "Radio Data System" broadcast station being received has traffic announcement programmes.

Setting the TA standby mode
If you press the **[TA]** button, "**TA**" lights in the display and the unit is set into the TA standby mode until a traffic announcement is broadcast. When a traffic announcement broadcast starts, "**TRAF INF**" appears in the display. If you press the **[TA]** button while a traffic announcement broadcast is being received, the traffic announcement broadcast reception is cancelled and the unit goes into the TA standby mode.

Cancelling the TA standby mode
As "**TA**" lits in the display, press the **[TA]** button. The "**TA**" in the display goes off and the TA standby mode is cancelled.

PTY (Programme Type)

This function enables you to listen to a broadcast of the selected programme type even if the unit is on a function mode other than radio.
* Some countries do not yet have PTY broadcast.
* In the TA standby mode, a TP station has priority over a PTY broadcast station.

Selecting PTY

Press [**MENU**] button, then rotate the knob to select PTY type, press the knob, the unit begin searching.

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CD/MP3/WMA Operations

This unit can play back MP3/WMA files

Notes:

- *If you play a file with DRM (Digital Rights Management) for WMA remaining ON, no audio is output (The WMA indicator blinks).*

To disable DRM (Digital Rights Management)

When using Windows Media Player 9/10/11, click on TOOL -> OPTIONS -> COPY MUSIC tab, then under COPY SETTINGS, unclick the Check box for COPY PROTECT MUSIC. Then, reconstruct files.

Personally constructed WMA files are used at your own responsibility.

Precautions when creating MP3/WMA file

Usable sampling rates and bit rates

1. MP3: Sampling rate 8 kHz-48 kHz, Bit rate 8 kbps-320 kbps / VBR
2. WMA: Bit rate 8 kbps-320 kbps

File extensions

1. Always add a file extension ".MP3", ".WMA" to MP3, WMA file by using single byte letters. If you add a file extension other than specified or forget to add the file extension, the file cannot be played.
2. Files without MP3/WMA data will not play. The files will be played soundlessly if you attempt to play files without MP3/WMA data.
   * When VBR files are played, the play time display may differ the play location.
   * When MP3/WMA files are played, a little no sound part is caused between tunes.

Logical format (File system)

1. When writing MP3/WMA file on a CD-R disc or CD-RW disc, please select "ISO9660 level 1, 2 or JOLIET or ROMEO" or APPLE ISO as the writing software format. Normal play may not be possible if the disc is recorded on another format.
2. The folder name and file name can be displayed as the title during MP3/WMA play but the title must be within 64 single byte alphabetical letters and numerals (including an extension).
3. Do not affix a name to a file inside a folder having the same name.

Folder structure

A disc with a folder having more than 8 hierarchical levels will be impossible.

Number of files or folders

1. Up to 999 files can be recognized per folder.
   Up to 3000 files can be played.
2. Tracks are played in the order that they were recorded onto a disc. (Tracks might not always be played in the order displayed on the PC.)
3. Some noise may occur depending on the type of encoder software used while recording.

Eject function

Just pressing the [⏏] button, ejects the disc.

Notes:

- If you force a CD into before auto reloading, this can damage the CD.
- If a CD (12 cm) is left in the ejected position for 15 seconds, the CD is automatically reloaded (Auto reload).

Listening to a disc already loaded in the unit

Press the [**SRC**] button to select the CD/MP3/WMA mode.

When the unit enters the CD/MP3/WMA mode, play starts automatically.

Loading a CD

Insert a CD into the center of the CD SLOT with the labeled side facing up. The CD plays automatically after loading.

Notes:

- Never insert foreign objects into the CD SLOT.
- If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.

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CD/MP3/WMA Operations

- Discs not bearing the COMPACT disc DIGITAL AUDIO or COMPACT disc DIGITAL AUDIO mark and CD-ROMs cannot be played by this unit.
- Some CDs recorded in CD-R/CD-RW mode may not be usable.

Pausing play

1. Press the [**4** / ▶II] button to pause play. "PAUSE" appears in the display.
2. To resume CD play, press the [**4** / ▶II] button again.

Displaying CD titles

This unit can display title data for MP3/WMA disc.
When SCROLL is OFF, each time you press the [**DISP**] button to change the title display.

MP3/WMA disc
Track > Folder > File title > Album > Title > Artist > Track ...

Notes:
- If MP3/WMA disc is not input TAG, "NO TITLE" appears in the display.
- Only ASCII characters can be displayed in Tags.

Selecting a track

Track-up
1. Press the [▶▶I] button to move ahead to the beginning of the next track.
2. Each time you press the [▶▶I] button, the track advances ahead to the beginning of the next track.
3. For MP3/WMA disc, press and hold the [**6**] button to move ahead to +10 tracks.

Track-down
1. Press the [I◀◀] button to move back to the beginning of the current track.
2. Press the [I◀◀] button twice to move back to the beginning of the previous track.
3. For MP3/WMA disc, press and hold the [**5**] button to move back to -10 tracks.

Fast-forward/Fast-reverse

Fast-forward
Press and hold the [▶▶I] button .
Fast-reverse
Press and hold the [I◀◀] button .
* For MP3/WMA discs, it takes some time until the start of searching and between tracks. In addition, the playing time may have a margin of error.

Folder Select

This function allows you to select a folder containing MP3/WMA files and start playing from the first track in the folder.
1. Press the [**5**] or [**6**] button. Press the [**6**] button to move the next folder. Press the [**5**] button to move the previous folder.
2. To select a track, press the [I◀◀] or [▶▶I] button.

Top function

The top function resets the CD player to the first track of the disc. Press and hold the [**TOP**] button (2 sec.) to play the first track (track No. 1) on the disc.
* In case of MP3/WMA, the first track of a folder being played will be returned.

Other various play functions

Scan play
This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc.
Press the [**SCN**] button to perform scan play.
Repeat play
This function allows you to play the current track repeatedly or play a track currently being played in the MP3/WMA folder repeatedly.

CD:
1. Press the [**RPT**] button once or more until "RPT ON" appears on the LCD to perform repeat play.
2. Press [**RPT**] button again to cancel repeat playback, "RPT OFF" appears on the LCD.

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CD/MP3/WMA Operations

MP3/WMA:

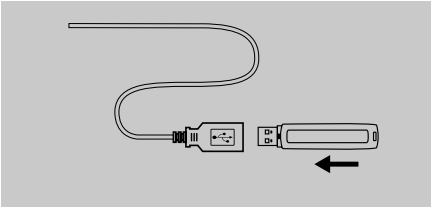
1. Press the [**RPT**] button to perform repeat play, “TRACK RPT” appears on the display, and “RPT” segment lights on.
2. For MP3/WMA files, press [**RPT**] button again, “FOLDER RPT” appears on the display for folder repeat play.
3. Press [**RPT**] button trice to cancel repeat playback, “RPT OFF” appears on the display, and “RPT” segment goes off.

Random play

This function allows you to play all tracks recorded on a disc in a random order.
Press the [**RDM**] button to perform random play.
Random function active when jumping to another track.

USB Operations

1. Insert a USB device into the USB connector.
   When connecting a USB device, the unit will read the files automatically.
2. To remove the USB device, you should first select another source, in order to avoid damaging the USB device. Then take off the USB device.



iPod & iPhone Operations

Connect

Connect an iPod or iPhone to the USB connector by a digit cable.
When connecting a device, the unit will read the files automatically. The track information display on the screen once playback start.

MENU

Press [**MENU**] button repeatedly to show PLAY LISTS, rotate the knob to show PLAY LISTS / ARTISTS / ALBUMS / GENRES / SONGS / COMPOSERS, press and rotate the knob to select a desired option, then press the knob to confirm.

Repeat play

This function allows you to play the current track repeatedly or play all tracks in your iPod/iPhone repeatedly.

1. Press the [**RPT**] button once or more until “TRACK RPT” appears on the LCD to perform repeat play.
2. Press [**RPT**] button repeatedly until “ALL RPT” appears on the LCD for all tracks repeat play.
3. Press [**RPT**] button repeatedly until “RPT OFF” appears on the LCD to cancel repeat playback.

Random play

This function allows you to play all tracks recorded on a disc in a random order.

1. Press the [**RDM**] button once or more until “SONG RDM” appears on the LCD to perform random play.
2. Press [**RDM**] button repeatedly until “ALBUM RDM” appears on the LCD for album random play.
3. Press [**RDM**] button repeatedly until “RDM OFF” appears on the LCD to cancel random playback.

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AUX Operations

Press [**SRC**] button on the panel to select AUX.
AUX is just for Audio content with 3.5mm Jack connector plugged into audio-in socket on the front panel.

AUX Input sensitivity setting

1. Press the [**ADJ**] button.
2. Turn the [**VOL/SEL**] knob to select “AUX MID”.
3. If the output level of connected external audio player is “High”, rotate [**VOL/SEL**] knob and choose “AUX LOW”. And if the output level is “Low”,choose “AUX HIGH”.

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Audio Setup

Press the **[SOUND]** key to enter sound effect setting mode. First Press shows current EQ. Rotate the volume knob to changes BEAT EQ in this order:
OFF -> B-BOOST -> IMPACT -> EXCITE -> CUSTOM

Press the **[SOUND]** key, then press [⏮ , ⏭] to select USER preset including:
BALANCE -> FADER -> M-B EX -> LPF(low pass filter) -> SUBW VOL, rotate the volume knob to select a value.
BALANCE:LEFT 1-7->CENTER->RIGHT 1-7
FADER:LEFT 1-7->CENTER->RIGHT 1-7
M-BEX: ON/OFF
LPF: THROUGH/80/120/160
SUBW VOL: (-6)-(+6)

System Setup

At radio mode, press and hold [**ADJ]** button to enter system MENU. Press [⏮ , ⏭] to select options, rotate the volume knob to adjust.

AF: ON/OFF
Rotate the knob to choose AF on or off.

REG: ON/OFF
Rotate the knob to choose REG on or off.

DX/LO
Rotate the knob to choose radio local or distant at radio mode.
LO: Only stations with strong signal can be received.
DX: Stations with strong and weak signals can be received.

AUX SENS
Rotate the knob to choose AUX Input sensitivity LOW, MID or HIGH at AUX mode.

SCRN SVR: ON/OFF
Rotate the knob to choose screen saver on or off.

SCROLL: ON/OFF
For track information that is longer than the display panel:
When SCROLL is ON, the LCD will display ID3 TAG information cyclely, e.g: TRACK->FOLDER->FILE->ALBUM->TITLE->ARTIST->TRACK->...
When SCROLL is OFF, the LCD will display one of the ID3 TAG information, the default is TRACK, but user can adjust it to other ID3 TAG information by press [**DISP**] button.

DIMMER: ON/OFF
Rotate the knob to choose dimmer on or off.
ON: LCD dimmer is active when small light of vehicle is turned ON.
OFF: LCD always maximum brightness regardless of the vehicle small light.

REAR/S-W
Rotate the knob to choose REAR LINE OUT or SUB-WOOFER.

TEL-SW
Rotate the knob to choose TELE-PHONE MUTE, ON or OFF.
- OFF:

This unit continues normal operation even when the cellular phone is used.
- ON:

You can listen to your telephone calls from the speakers connected to this unit.
*When listening to your calls on your car speakers, you can adjust the volume by turning the [ROTARY] knob.
- MUTE:

The sound from this unit is muted during telephone calls.

BEEP: ON/OFF
Rotate the knob to choose button beep sound on or off.

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6. TROUBLE SHOOTING

GENERAL

Problem	Cause	Measure
Unit can not power on	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
Unit can not power on Nothing happens when buttons are pressed. Display is not accurate.	Illegal operation.	Turn off the power and open the operation panel. Press the reset button with a thin rod. ***Note:*** When the Reset button is pressed, turn off the ACC power.* * When the Reset button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Non-standard disc used.	Use a standard disc.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Tel-Mute malfunction	MUTE wire is grounded.	Check the 'MUTE' wiring and correct.
Unit resets itself when engine is off	Incorrect connection between ACC and Battery.	Check wiring and correct.

DISC Player

Problem	Cause	Measure
Disc cannot be loaded.	Another disc is already loaded.	Eject the disc before loading the new one.
	There is a foreign matter already in place.	Eject the foreign matter forcibly.
Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
	Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.

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USB Devices

Problem	Cause	Measure
USB device cannot be inserted.	The USB device has been inserted with wrong direction.	Reversing the connection direction of the USB device, try it again.
	The USB connector is broken.	Replace with a new USB device.
USB device is not recognized.	The USB device is damaged.	Disconnect the USB device and reconnect. If the device is still not recognized, try replacing with a different USB device.
	Connectors are loose.	
No sound heard with the display "**No File**" shown.	No MP3/WMA file is stored in the USB device.	Store these files properly in the USB device.
Sound skips or is noisy.	MP3/WMA files are not encoded properly.	Use MP3/WMA files encoded properly.

7. ERROR DISPLAY

If an error occurs, one of the following displays is displayed.
Take the measures described below to solve the problem.

Display	Cause	Measure
ERROR 3	Disc is inserted incorrectly.	Eject the disc then reload it properly.
	The disc format is not supported.	Try another disc.
ERROR 5	This is a failure of deck's mechanism.	Consult your store of purchase.

If an error display other than the ones described above appears, press the Reset button. If the problem persists, turn off the power and consult your store of purchase.

* When the Reset button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.

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8. SPECIFICATIONS

FM Tuner

Frequency range: 87.5-108.0MHz
Usable sensitivity: 8dBμ
Frequency response: 30Hz-15kHz
Stereo separation: 30dB(1kHz)
Signal/noise ratio: >55dB

MW Tuner

Frequency range: 531-1602kHz
Usable sensitivity (S/N=20dB): 30dBμ

LW Tuner

Frequency range: 153-279kHz
Usable sensitivity (S/N=20dB): 30dBμ

CD

System: Disc digital audio system
Frequency response: 20Hz-20kHz
Signal/noise ratio: >75dB
Total harmonic distortion: Less than 0.1% (1kHz)
Channel separation: >60dB

MP3/WMA mode

MP3 sampling rate: 8 kHz to 48 kHz
MP3 bit rate: 8 kbps to 320 kbps / VBR
WMA bit rate: 8 kbps to 320 kbps
Logical format: ISO9660 level 1,2
JOLIET or ROMEO file system

USB

Specification: USB 1.0/2.0
Playable audio format:
MP3(.mp3): MPEG 1/2/Audio Layer-3
WMA(.wma): Ver 7/8/9.1/9.2

Audio Amplifier

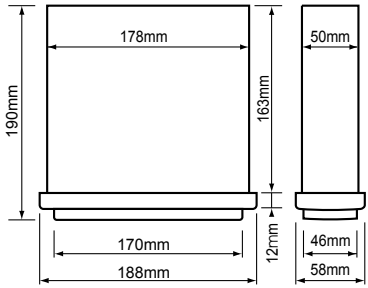
Maximum power output:
180W (45W x 4)
Speaker impedance: 4Ω (4 to 8 Ω allowable)

Input

Audio input sensitivity:
High: 320mV (at 1V output)
Mid: 650mV (at 1V output)
Low: 1.3V (at 1V output)
(input impedance 10 kΩ or greater)
Aux-in level: ≤2V

General

Power supply voltage:
14.4VDC (10.8 to 15.6V allowable),
negative ground
Pre-Amp output voltage:
2.0V (CD play mode: 1kHz, 0dB, 10kΩ load)
Fuse: 15A
Dimensions of the Main Unit:
188mm Width × 58mm Height × 190mm Depth
Weight of the Main Unit: 1.35kg



Notes:

- Specifications comply with JEITA Standards.
- Specifications and design are subject to change without notice for further improvement.

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9. INSTALLATION / WIRE CONNECTION GUIDE

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1) Before Starting

1. This set is exclusively for use in cars with a negative ground 12 V power supply.
2. Read these instructions carefully.
3. Be sure to disconnect the battery “terminal” before starting. This is to prevent short circuits during installation. (Figure 1)

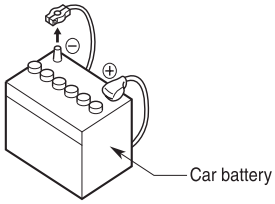

Figure 1

2) Package Contents

Source unit 1
Front panel 1
Trim ring 1
Mounting bracket 1
Special screw (M4x42) 1
Screws M5x6 mm 4
L-key 2
Rubber cap 1
Wire connector 1
DCP case 1
Owner’s manual 1
Warranty card 1

3) General Cautions

1. Do not open the case. There are no user- serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized Clarion service center.
2. Use a soft, dry cloth to clean the case. Never use a rough cloth, thinner, benzine, or alcohol etc. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gently.

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4) Cautions on Installation

1. Prepare all articles necessary for installing the source unit before starting.
2. Install the unit within 30° of the horizontal plane. (Figure 2)
3. If you have to do any work on the car body, such as drilling holes, consult your car dealer beforehand.
4. Use the enclosed screws for installation.
   Using other screws can cause damage.
   (Figure 3)

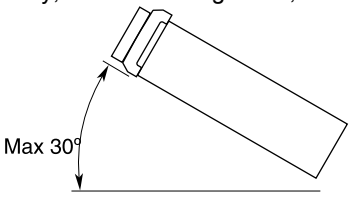


Figure 2

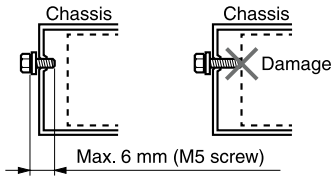


Figure 3

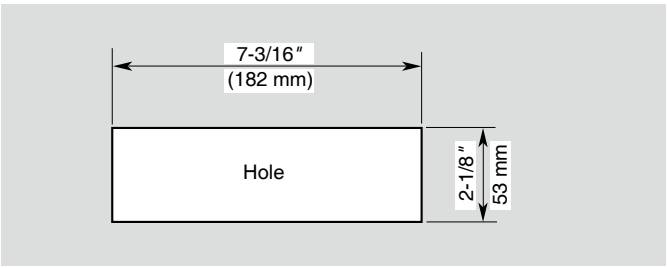
5) Installing the Source Unit

1. Place the mounting bracket into the instrument panel, use a screwdriver to bend each stopper of the universal mounting bracket inward, then secure the stopper.
2. Insert the source unit into the mounting bracket until it locks.
3. Take care of the top and bottom of the outer escutcheon and mount it so that all the hooks are locked.

Notes:

1. Some car models require special mounting kits for proper installation. Consult your Clarion dealer for details.
2. Fasten the front stopper securely to prevent the source unit from coming loose.

- **Console opening dimensions**



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Notes of installation

1. Before installation, please make sure proper connections are conducted and the unit operates normally. Improper connection may result in damage to the unit.
2. Use only accessories designed and manufactured for this unit and other unauthorized accessories may result in damage to the unit.
3. Before installation, please fasten all power cables.
4. DO NOT install the unit in the place where close to hot area to prevent damage to electrical components such as the laser head.
5. Install the unit horizontally. Installing the unit more than 30 degree vertically may result in worse performance.
6. To prevent electric spark, connect the positive pole first and then the negative pole.
7. DO NOT block the cooling fan exit to ensure sufficient heating dissipation of this unit, or it may result in damage to this unit.

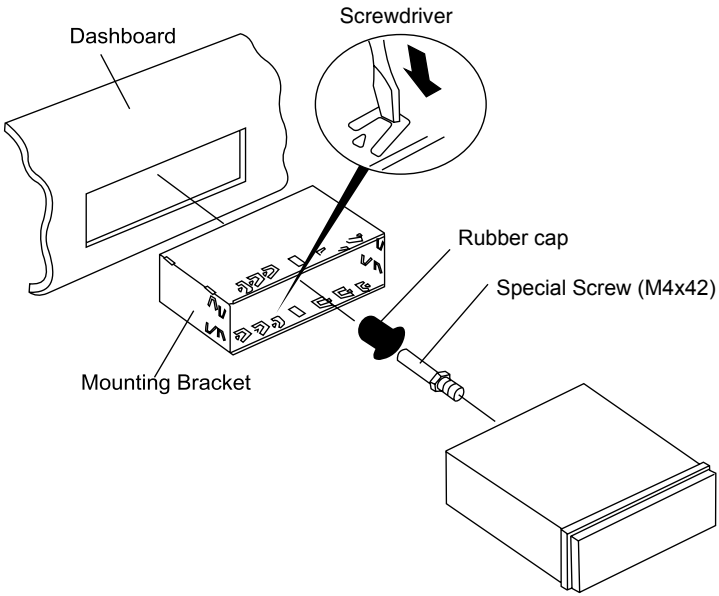
Unit Installation

Method A

1. Insert mounting bracket into dash board, choose appropriate mounting tab according to the gap width, bending the mounting tab outwards with a screwdriver to fix the mounting bracket in place.

2. Screw in 1 piece of M4×42 to the hole of the unit back and put on a rubber cap over the screw. (see picture below)

3. Slide the unit into the bracket until you hear a click sound.



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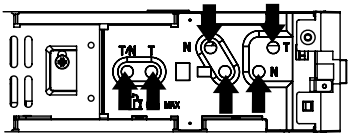
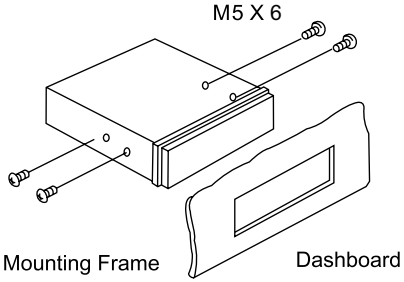
Method B

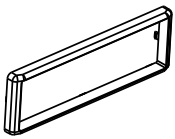




1. Insert this unit directly to the opening of the dashboard.
2. Place M5×6 cylindrical screw through the holes of the mounting frame located inside the opening to holes of the unit and fasten the screws to left & right.

Trim ring installation

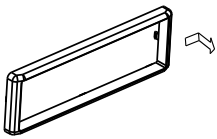
Attach the trim ring around the front panel.



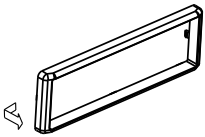
6) Removing the Source Unit

Disassemble trim ring

1. Push the trim ring to right and pull out the right part.

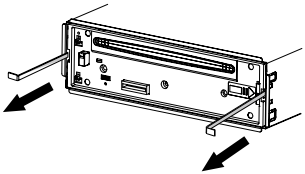


2. Push the trim ring to left and pull out the left part.



Disassemble the unit

1. Switch off the power.
2. Remove the panel.
3. Remove the trim ring.
4. Insert the removal keys straight back until they lock, then pull the unit out.



5. Disconnect all the wires.

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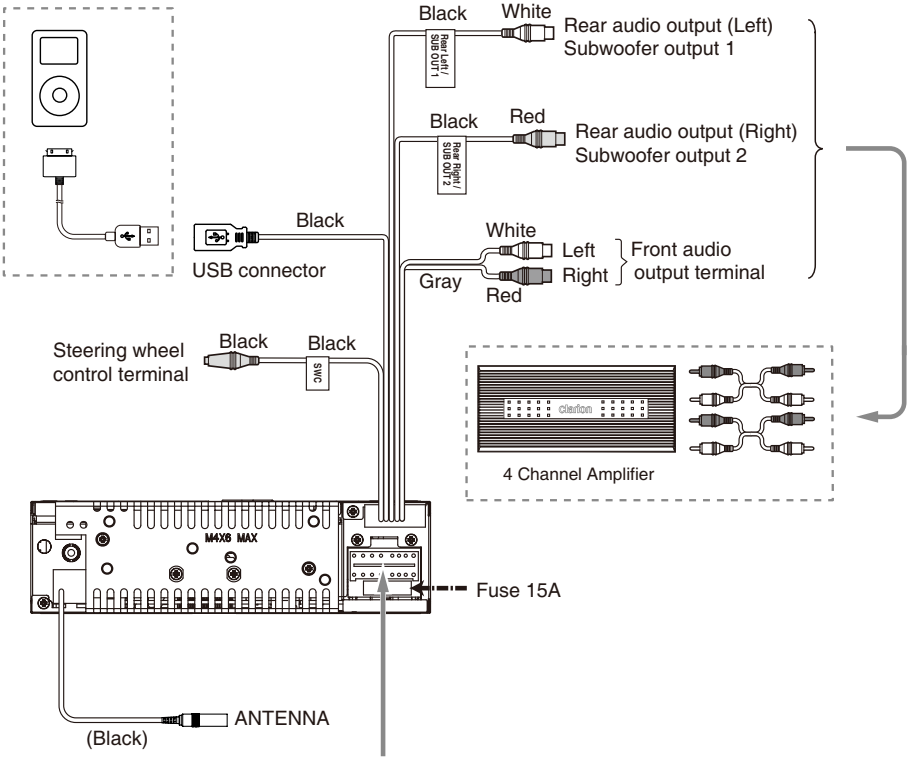
7) Wiring and Connections



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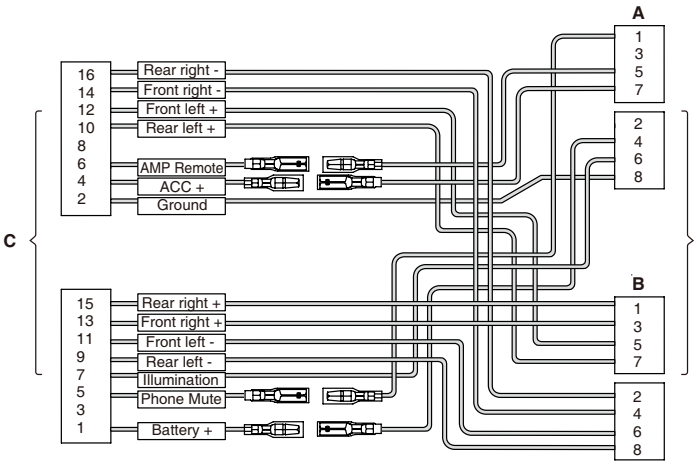
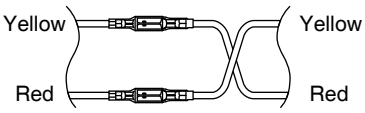


Location	Function	
	Connector A	Connector B
1	Phone Mute / Brown	Rear right (+) / Purple
2		Rear right (-) / Purple with black stripe
3		Front right (+) / Grey
4	Battery 12V(+) / Yellow	Front right (-) / Grey with black stripe
5	Remote On / Blue with white stripe	Front left (+) / White
6	Illumination / Orange with white stripe	Front left (-) / White with black stripe
7	ACC+ / Red	Rear left (+) / Green
8	Ground / Black	Rear left (-) / Green with black stripe



For VW and Audi: Change wiring like above.

8) Connecting the accessories

- **Connecting to the external amplifier**
  External amplifiers can be connected to the 4 channel RCA output connections. Ensure that the connectors are not grounded or shorted to prevent damage to the unit.

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CE

English:

Declaration of conformity

We Clarion declares that this model CZ200E/CZ200ER/CZ200EG is following the provision of Directive 1999/5/EC with the essential requirements and the other relevant regulations.

Français:

Déclaration de conformité

Nous, Clarion, déclarons que ce modèle CZ200E/CZ200ER/CZ200EG est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Deutsch:

Konformitätserklärung

Wir, Clarion, erklären, dass dieses Modell CZ200E/CZ200ER/CZ200EG den Bestimmungen der Richtlinie 1999/5/EG im Hinblick auf die grundlegenden Anforderungen und andere relevante Bestimmungen entspricht.

Italiano:

Dichiarazione di conformità

Clarion dichiara che il presente modello CZ200E/CZ200ER/CZ200EG è conforme ai requisiti essenziali e alle altre disposizioni pertinenti stabiliti dalla direttiva 1999/5/CE.

Nederlands:

Conformiteitsverklaring

Clarion verklaart dat het model CZ200E/CZ200ER/CZ200EG in overeenstemming is met de essentiële eisen en andere relevante voorschriften van de bepalingen van Richtlijn 1999/5/EC.

Español:

Declaración de conformidad

Clarion declara que este modelo CZ200E/CZ200ER/CZ200EG cumple con los requisitos esenciales y otras disposiciones aplicables descritos en la Directiva 1999/5/CE.

Svenska:

Intyg om överensstämmelse

Härmed intygar Clarion att denna modell CZ200E/CZ200ER/CZ200EG uppfyller kraven i direktiv 1999/5/EG gällande väsentliga egenskaper och övriga relevanta bestämmelser.

Polski:

Deklaracja zgodności

Firma Clarion niniejszym oświadcza, że model CZ200E/CZ200ER/CZ200EG jest zgodny z istotnymi wymogami oraz innymi odpowiednimi postanowieniami Dyrektywy 1999/5/WE

Ελληνική:

Δήλωση συμμόρφωσης

Εμείς στην Clarion δηλώνουμε ότι αυτό το μοντέλο CZ200E/CZ200ER/CZ200EG ακολουθεί τις προβλέψεις της Οδηγίας 1999/5/EC σχετικά με τις βασικές απαιτήσεις και τους άλλους σχετικούς κανονισμούς.

Italy

Dichiarazione di conformità:

Io mandatario nell' UE: Clarion Europe S.A.S. Z.I. du Pré à Varois, Route de Pompey, 54670 Custines, Francia Dichiaro che il prodotto CZ200E è conforme al DM 28-08-1995 ottemperando alle prescrizioni dei DM 25-06-1985 e DM 27-08-1987.

Ministerial authorization FI DM 27-08-1987 nº of protocol: 0092828 date 28/12/2009

Clarion Europe S.A.S.
Z.I. du Pré à Varois, Route de Pompey, 54670 Custines, FRANCE

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